

Serial No. 10/719,958  
Atty. Doc. No. 2002P06704US

Amendments To the Claims:

Please amend the claims as shown. Applicants reserve the right to pursue any canceled claims at a later date.

1. (currently amended) A gas turbine comprising:  
a compressor for compressing air;  
a combustion chamber operatively connected to the compressor, the combustion chamber having a combustion area bounded by an outer wall and an inner wall, the inner wall formed by a plurality of wall elements attached to a support structure of the inner wall, the support structure formed by a plurality of sub-components abutting at a horizontal parting joint, the sub-components connected to each other in the area of the parting joint via a plurality of screw connections oriented at ~~an a non perpendicular angle to the horizontal parting joint to the inner wall surface;~~ and  
an airfoil section operatively connected to the combustion chamber.

2. (currently amended) A ~~The~~ gas turbine according to Claim 1, wherein a key is assigned to at least one screw connection.

3. (currently amended) A ~~The~~ gas turbine according to Claim 1, wherein the outer wall of the combustion chamber is formed in two parts.

4. (currently amended) A gas turbine ~~comprising; according to Claim 1~~  
~~a compressor for compressing air;~~  
~~a combustion chamber operatively connected to the compressor, the combustion chamber having a combustion area bounded by an outer wall and an inner wall, the inner wall formed by a plurality of wall elements attached to a support structure of the inner wall, the support structure formed by a plurality of sub-components abutting at a horizontal parting joint, the sub-components connected to each other in the area of the parting joint via a plurality of screw connections oriented at an angle to the inner wall surface; and~~  
~~an airfoil section operatively connected to the combustion chamber,~~

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wherein the inner wall and/or the outer wall is fitted with a lining formed by a plurality of heat shield elements.

5. (currently amended) A The gas turbine according to Claim 4 19, wherein the heat shield elements are attached to the inner wall or the outer wall by a tongue and groove system.

6. (currently amended) A The gas turbine according to Claim 2, wherein the outer wall is formed in two parts.

7. (currently amended) A The gas turbine according to Claim 2, wherein the inner wall and/or the outer wall is fitted with a lining formed by a plurality of heat shield elements.

8. (currently amended) A The gas turbine according to Claim 3, wherein the inner wall and/or the outer wall is fitted with a lining formed by a plurality of heat shield elements.

9. (currently amended) A The gas turbine according to Claim 7, wherein the heat shield elements are attached to the inner wall or the outer wall by means of a tongue and groove system.

10. (currently amended) A The gas turbine according to Claim 8, wherein the heat shield elements are attached to the inner wall or the outer wall by means of a tongue and groove system.

11. (currently amended) A The gas turbine according to Claim 1, wherein the combustion chamber is an annular combustion chamber.

12. (currently amended) A The gas turbine according to Claim 1, wherein the sub-components abutting abut each other.

13. (currently amended) A The gas turbine according to Claim 1, wherein the airfoil section is operatively adapted to turn a shaft.

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14. (currently amended) A The gas turbine according to Claim 1, wherein the airfoil section is operatively adapted to drive the compressor or a generator.

15. (currently amended) A The gas turbine according to Claim 3, wherein a lower part interacts with an upper part.

16. (currently amended) A The gas turbine according to Claim 6, wherein a lower part interacts with an upper part.

17. (currently amended) A combustion chamber comprising:

a plurality of burners to burn a fuel;

an outer wall;

an inner wall; and

a combustion area bounded by the outer wall and the inner wall, the inner wall formed by a plurality of wall elements attached to a support structure of the inner wall, and the support structure formed by a plurality of abutting sub-components, the sub-components connected to each other in the area of a parting joint via a plurality of screw connections, at least one key assigned to the screw connection and the screw connections oriented at an angle to the inner wall surface.

18. (currently amended) A The combustion chamber according to Claim 17, wherein the combustion chamber is an annular combustion chamber.

19. (new) The gas turbine according to Claim 1, wherein the inner wall and/or the outer wall is fitted with a lining formed by a plurality of heat shield elements.

20. (new) The gas turbine according to Claim 1, wherein the non-perpendicular angle is approximately 45 degrees.

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